



PC10315A Sequence Listing.ST25.txt
SEQUENCE LISTING

<110> Pfizer Inc.

Fidock, Mark David

<120> Enzyme PDE xiv

<130> PC10315AGPR

<140> 09/471,459

<141> 1999-12-22

<150> GB 9828603.2

<151> 1998-12-23

<150> GB 9922123.6

<151> 1999-09-17

<160> 26

<170> PatentIn version 3.1

<210> 1

<211> 446

<212> PRT

<213> Mouse

<400> 1

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Arg Gly Gln Thr Gly Val Pro Ala Glu Arg Arg Gly Ser Tyr Pro Phe
35 40 45

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PC10315A Sequence Listing.ST25.txt

Ile Asp Phe Arg Leu Leu Asn Asn Thr Thr His Ser Gly Glu Ile Gly
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Thr Lys Lys Lys Val Lys Arg Leu Leu Ser Phe Gln Arg Tyr Phe His
65 70 75 80

Ala Ser Arg Leu Leu Arg Gly Ile Ile Pro Gln Ala Pro Leu His Leu
85 90 95

Leu Asp Glu Asp Tyr Leu Gly Gln Ala Arg His Met Leu Ser Lys Val
100 105 110

Gly Thr Trp Asp Phe Asp Ile Phe Leu Phe Asp Arg Leu Thr Asn Gly
115 120 125

Asn Ser Leu Val Thr Leu Leu Cys His Leu Phe Asn Ser His Gly Leu
130 135 140

Ile His His Phe Lys Leu Asp Met Val Thr Leu His Arg Phe Leu Val
145 150 155 160

Met Val Gln Glu Asp Tyr His Gly His Asn Pro Tyr His Asn Ala Val
165 170 175

His Ala Ala Asp Val Thr Gln Ala Met His Cys Tyr Leu Lys Glu Pro
180 185 190

Lys Leu Ala Ser Phe Leu Thr Pro Leu Asp Ile Met Leu Gly Leu Leu
195 200 205

Ala Ala Ala Ala His Asp Val Asp His Pro Gly Val Asn Gln Pro Phe
210 215 220

Leu Ile Lys Thr Asn His His Leu Ala Asn Leu Tyr Gln Asn Met Ser
225 230 235 240

Val Leu Glu Asn His His Trp Arg Ser Thr Ile Gly Met Leu Arg Glu
245 250 255

Ser Arg Leu Leu Ala His Leu Pro Lys Glu Met Thr Gln Asp Ile Glu
260 265 270

Gln Gln Leu Gly Ser Leu Ile Leu Ala Thr Asp Ile Asn Arg Gln Asn
275 280 285

Glu Phe Leu Thr Arg Leu Lys Ala His Leu His Asn Lys Asp Leu Arg
290 295 300

Leu Glu Asn Val Gln Asp Arg His Phe Met Leu Gln Ile Ala Leu Lys
305 310 315 320

PC10315A Sequence Listing.ST25.txt

Cys Ala Asp Ile Cys Asn Pro Cys Arg Ile Trp Glu Met Ser Lys Gln
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Trp Ser Glu Arg Val Cys Glu Glu Phe Tyr Arg Gln Gly Asp Leu Glu
340 345 350
Gln Lys Phe Glu Leu Glu Ile Ser Pro Leu Cys Asn Gln Gln Lys Asp
355 360 365
Ser Ile Pro Ser Ile Gln Ile Gly Phe Met Thr Tyr Ile Val Glu Pro
370 375 380
Leu Phe Arg Glu Trp Ala Arg Phe Thr Gly Asn Ser Thr Leu Ser Glu
385 390 395 400
Asn Met Leu Ser His Leu Ala His Asn Lys Ala Gln Trp Lys Ser Leu
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Leu Ser Asn Gln His Arg Arg Arg Gly Ser Gly Gln Asp Leu Ala Gly
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<212> DNA
<213> Mouse

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PC10315A Sequence Listing.ST25.txt

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Arg Gly Gln Thr Gly Val Arg Ala Glu Arg Arg Gly Ser Tyr Pro Phe
35          40          45
Ile Asp Phe Arg Leu Leu Asn Ser Thr Thr Tyr Ser Gly Glu Ile Gly
50          55          60
Thr Lys Lys Lys Val Lys Arg Leu Leu Ser Phe Gln Arg Tyr Phe His
65          70          75          80
Ala Ser Arg Leu Leu Arg Gly Ile Ile Pro Gln Ala Pro Leu His Leu
85          90          95
Leu Asp Glu Asp Tyr Leu Gly Gln Ala Arg His Met Leu Ser Lys Val
100         105         110
Gly Met Trp Asp Phe Asp Ile Phe Leu Phe Asp Arg Leu Thr Asn Gly
115         120         125

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PC10315A Sequence Listing.ST25.txt

Asn Ser Leu Val Thr Leu Leu Cys His Leu Phe Asn Thr His Gly Leu
 130 135 140

Ile His His Phe Lys Leu Asp Met Val Thr Leu His Arg Phe Leu Val
 145 150 155 160

Met Val Gln Glu Asp Tyr His Ser Gln Asn Pro Tyr His Asn Ala Val
 165 170 175

His Ala Ala Asp Val Thr Gln Ala Met His Cys Tyr Leu Lys Glu Pro
 180 185 190

Lys Leu Ala Ser Phe Leu Thr Pro Leu Asp Ile Met Leu Gly Leu Leu
 195 200 205

Ala Ala Ala Ala His Asp Val Asp His Pro Gly Val Asn Gln Pro Phe
 210 215 220

Leu Ile Lys Thr Asn His His Leu Ala Asn Leu Tyr Gln Asn Met Ser
 225 230 235 240

Val Leu Glu Asn His His Trp Arg Ser Thr Ile Gly Met Leu Arg Glu
 245 250 255

Ser Arg Leu Leu Ala His Leu Pro Lys Glu Met Thr Gly Thr Trp Asp
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Phe Asp Ile Phe Leu Phe Asp Arg Leu Thr Asn Gly Asn Ser Leu Val
 275 280 285

<210> 4

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<212> DNA

<213> Human

<400> 4

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ggggagattg gcaccaagaa aaaggtgaaa agactattaa gctttcaaag atacttccat	240
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PC10315A Sequence Listing.ST25.txt

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Arg	Gly	Gln	Thr	Gly	Val	Arg	Ala	Glu	Arg	Arg	Gly	Ser	Tyr	Pro	Phe
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Ile	Asp	Phe	Arg	Leu	Leu	Asn	Ser	Thr	Thr	Tyr	Ser	Gly	Glu	Ile	Gly
	50					55					60				

Thr	Lys	Lys	Lys	Val	Lys	Arg	Leu	Leu	Ser	Phe	Gln	Arg	Tyr	Phe	His
65					70					75					80

Ala	Ser	Arg	Leu	Leu	Arg	Gly	Ile	Ile	Pro	Gln	Ala	Pro	Leu	His	Leu
			85						90					95	

Leu	Asp	Glu	Asp	Tyr	Leu	Gly	Gln	Ala	Arg	His	Met	Leu	Ser	Lys	Val
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Gly	Met	Trp	Asp	Phe	Asp	Ile	Phe	Leu	Phe	Asp	Arg	Leu	Thr	Asn	Gly
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Asn	Ser	Leu	Val	Thr	Leu	Leu	Cys	His	Leu	Phe	Asn	Thr	His	Gly	Leu
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Ile	His	His	Phe	Lys	Leu	Asp	Met	Val	Thr	Leu	His	Arg	Phe	Leu	Val
145					150					155					160

PC10315A Sequence Listing.ST25.txt

Met Val Gln Glu Asp Tyr His Ser Gln Asn Pro Tyr His Asn Ala Val
165 170 175

His Ala Ala Asp Val Thr Gln Ala Met His Cys Tyr Leu Lys Glu Pro
180 185 190

Lys Leu Ala Ser Phe Leu Thr Pro Leu Asp Ile Met Leu Gly Leu Leu
195 200 205

Ala Ala Ala Ala His Asp Val Asp His Pro Gly Val Asn Gln Pro Phe
210 215 220

Leu Ile Lys Thr Asn His His Leu Ala Asn Leu Tyr Gln Asn Met Ser
225 230 235

Val Leu Glu Asn His His Trp Arg Ser Thr Ile Gly Met Leu Arg Glu
245 250 255

Ser Arg Leu Leu Ala His Leu Pro Lys Glu Met Thr Gln Asp Ile Glu
260 265 270

Gln Gln Leu Gly Ser Leu Ile Leu Ala Thr Asp Ile Asn Arg Gln Asn
275 280 285

Glu Phe Leu Thr Arg Leu Lys Ala His Leu His Asn Lys Asp Leu Arg
290 295 300

Leu Glu Asp Ala Gln Asp Arg His Phe Met Leu Gln Ile Ala Leu Lys
305 310 315 320

Cys Ala Asp Ile Cys Asn Pro Cys Arg Ile Trp Glu Met Ser Lys Gln
325 330 335

Trp Ser Glu Arg Val Cys Glu Glu Phe Tyr Arg Gln Gly Glu Leu Glu
340 345 350

Gln Lys Phe Glu Leu Glu Ile Ser Pro Leu Cys Asn Gln Gln Lys Asp
355 360 365

Ser Ile Pro Ser Ile Gln Ile Gly Phe Met Ser Tyr Ile Val Glu Pro
370 375 380

Leu Phe Arg Glu Trp Ala His Phe Thr Gly Asn Ser Thr Leu Ser Glu
385 390 395 400

Asn Met Leu Gly His Leu Ala His Asn Lys Ala Gln Trp Lys Ser Leu
405 410 415

Leu Pro Arg Gln His Arg Ser Arg Gly Ser Ser Gly Ser Gly Pro Asp
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PC10315A Sequence Listing.ST25.txt

His Asp His Ala Gly Gln Gly Thr Glu Ser Glu Glu Gln Glu Gly Asp
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Ser Pro
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<213> Human

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PC10315A Sequence Listing.ST25.txt

<210> 7

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<212> DNA

<213> Mouse

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PC10315A Sequence Listing.ST25.txt

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<211> 2992

<212> DNA

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PC10315A Sequence Listing.ST25.txt

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PC10315A Sequence Listing.ST25.txt

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Pro Gly Val Asn Gln Pro Phe Leu Ile Lys Thr Asn His His Leu Ala
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Asn Leu Tyr Gln Asn Met Ser Val Leu Glu Asn His His Trp Arg Ser
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